

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Sajjad Quabili

GENERAL INFORMATION:

Name:	WW Welding, Inc.
Address:	P. O. Box 22 Frenchburg, KY 40322
Date application received:	8/31/2006
SIC Code/SIC description:	3499, Fabricated Metal Products, NEC (powder metallurgy)
Source ID:	21-165-00011
Source A.I. #:	81517
Activity ID:	APE20060001
Permit:	F-07-005

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM/PM ₁₀	11.32	11.32
VOC	90	90*

* Conditional major limit for VOC emissions.

SOURCE DESCRIPTION:

WW Welding manufactures metal septic tanks. The source applied to construct an additional building to manufacture and paint metal waste containers. The process includes a paint booth, a dip tank, welding machines and plasma cutters.

WW Welding is potentially major for VOC emissions. The source accepted federal enforceable limit for VOC emissions to become a conditional major source.

EP 01 (Paint booth): The paint booth consists of two applicators. Applicator #1 will be involved with spraying primers while Applicator #2 will be involved with spraying top coats. The capacity of each applicator is 23.4 gallons per hour. The paint booth will be equipped with panel filters to control particulates. No control equipment is utilized for VOC emissions.

EP 02 (Asphalt dip coating for septic tanks): This emission point represents an unheated asphalt dip coating used for metal septic tanks. No PM/PM₁₀ emission is expected from the dip tank as there is no atomization of the products. No control equipment is utilized for VOC and HAP emissions.

EP 03 (Plasma cutters): This emission point represents the miscellaneous welding operation in the tank manufacturing process. The potential to emit particulate matter for EP 03 is 1.72 pound per hour. The allowable PM emissions limit for EP 03 is 2.34 pounds per hour. Therefore, particulate emission is assumed in compliance.

EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

The source wide VOC emission limit is 90 tons during any consecutive 12 month period.